Project: Atmospheric Science Research

Recipient: University of Tennessee Space Institute

Address: 411 B. H. Goethert Parkway, Tullahoma, Tennessee 37388

Subcommittee: Commerce, Justice, Science

Amount requested: $3,000,000

Project description: Airborne science research, performed on a local and national level, would have a global impact, enhancing our understanding of such major issues as global warming, pollution, and overall world climate change, as well as contributing to local environmental research and improvements. Employing a UTSI general aviation aircraft as a data collection platform will allow for the collection of data at altitudes not sufficiently addressed by current data collection platforms, such as satellites, balloons, and larger aircraft.

The proposed research will provide both immediate and long-term contributions to our understanding of local and national atmospheric science and environmental issues, including global warning, pollution, and world climate change concerns. Short-term benefits include the ability to measure and monitor atmospheric and environmental areas of immediate concern, such as localized air, land, or sea pollution. The research will help to increase the awareness and education of the general public to both local and national environmental issues. The effort will help foster interest in science, engineering, and the environment for young students by combining the exciting fields of aviation and environmental sciences.